

Intellicorder

User Manual



Dear Users,

Please read the user manual carefully before using this product and Kindly safe keep this manual for future reference.

Safety Use Note:

Warning: Please install the digital door viewer in the recommended places to ensure safety. To guard against the explosion, please use the original battery. Please ask for maintenance from qualified service professionals.

FCC Note: (U. S. only)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Equipment Maintenance

- Do not shake and tap equipment violently.
- If dust or water droplets splashing on the device, carefully wipe with a dry cloth.
- Do not use any battery charger except the supplied one.
- Please charge with our specially equipped battery charger.

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Note:

Please read the user manual carefully before using this product and Kindly safe keep this manual for future reference.

1.1 Package contents

- (1) Intellicorder indoor host 1pc
- (2) Intellicorder outdoor host 1pc
- (3) Indoor host mounting plate 1pc
- (4) Power adaptor 1pc
- (5) Lithium battery 1pc
- (6) Clock battery 1pc (Loaded. Not installation for will loss of power, fitted when using)
- (7) Fixed nut 1pc
- (8) Screw 2pcs
- (9) Phillips screwdriver 1pc
- (10) User manual 1pc

In the event the packing accessories are incomplete to ensure your interests, kindly contact the dealer or the company immediately.

1.2 Product Appearance



1.3 Product features and functions

The intellicorder HML2345X is a new generation of visual digital recording door viewer, it incorporated the most advanced technical digital chipset. With a unique assembly method, user can enjoy easy and convenient installation without the need of any wiring and any need to alter or modify their current traditional peep-hole on their door construction. This is indeed a simple, practical and yet highly technologically advanced home security product.

Main features and functions

- (1) 2.8" LCD display screen
- (2) Attractive & Fashionable appearance
- (3) Easy to operate and install, no wiring
- (4) Indoor host monitoring outside
- (5) Infrared detection video / photo
- (6) Own 256M built-in memory, easy to use
- (7) Support SD card extension, up to 32G
- (8) Record the date, time, the video length, facilitate to provide valuable data when inquiry
- (9) No radiation, low power consumption
- (10) 3X digital zoom
- (11) 0.3 mega pixel high resolution
- (12) Automatic power saving mode

1.4 Product specifications

	Item	Spec.	Remarks
Machine Part	Indoor unit size	138mm*103mm*25mm	
	Outdoor unit size	18mm*Dia.50mm	
	Adapter plate	100mm*78mm*9.5mm	
	Ambient light adaptation	Working environment Illumination of the outdoor unit 20 lux~3500 lux	
	Resolution	The resolution of images on the indoor monitor should not be less than 200 (Central level, under 800 lux condition)	
MIC part	Capacitive Electret Microphone	Diameter 6MM Height: 2.7MM Sensitivity: 40 +/-3dB	
Camera Part	Camera Pixel	Width:640, Height:480	300K Pixel
	Camera Angle	Diagonal:115+/-5 degrees Horizontal:102+/-3 degrees Vertical: 85+/-3 degrees	
	Digital Zoom	3X digital zoom	

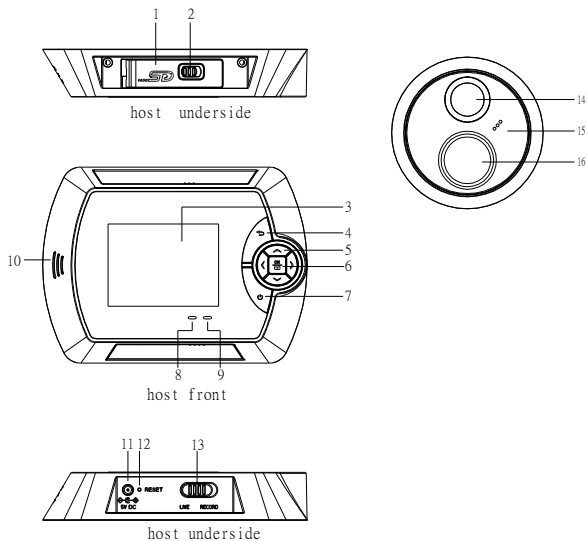
Loudspeaker Part	Loudspeaker	Diameter: 20MM Power: 1W Impedance: 8 OHM	
Display Screen	Display Type	240(R+G+B)*320 Dots	
	LCD Type	2.8 inch TFT LCD	
	Viewing Direction	6 O'clock	
	Backlight	4 LED white color	
water-proof dust-proof requirements		Indoor Unit: IP30; Outdoor Unit: IP33	
Installation Part	Door Thickness suited	Door thickness is: 35mm-55mm 、 55mm-85mm and 85mm-105mm. Can be customized so that fit for any thickness of the door	
	Door peephole size	Dia.15mm	
Memory	Own memory	256M	
	Memory Extension	Maximum support 32G SD card and backward compatible	

Power Part	Battery Charger (MODEL:VA8B-050 100)	Input: 110 V to 240 V 50/60 Hz, 0.3 A Output: Dc 5.0 V 1.0A	5.0V
	Battery Pack (lithium-ion) (MODEL:DS-L600)	Voltage/capacity: 3.7 V, 1800 mAh	
	Clock battery	Dia.20.0 thick:3.2 3.0V CR2032	
Infrared mobile monitoring	Distance	Near: <1.5M ; Far: <2.5M	
Working Condition	Ambient temperature	-10 ℃~+55 ℃;	
	Relative Humidity	10 %~95 %;	
	Atmospheric pressure	86 kPa~106 kPa	
Others	Include SD card or not	Optional according to customer's request	
	Include battery	Include 1pc 1800mAh lithium battery	
	Language	Kinds of language to set	




	Settings function	time and date settings function	
	Sleep automatically	Can automatically go to sleep	
	File save format	JPEG,MP4	

Chapter II Install diagram

2.1 Intellicorder structure chart

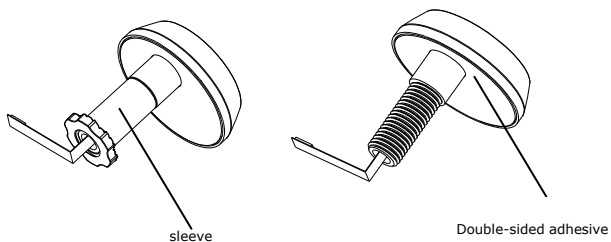


Explain the various parts of the structure or button:

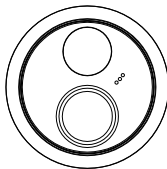
- (1) Battery Cover (SD memory card and lithium battery inside)
- (2) Lock bracket for battery cover
- (3) Color LCD screen
- (4) Return: 
- (5) Cursor: 
- (6) OK: confirm setting
- (7) Power:  power on or power off
- (8) Charge indicator (red): when the external power adaptor is connected, light on
- (9) New record indicator (green): recording when in recording mode, light on
- (10) Speaker: Play the recorded audio sound under record mode
- (11) Charging interface
- (12) RESET – use a pointer or alike to press this button to reset the unit
- (13) Mode switch key: switch btw (RECORD) and (LIVE) mode
- (14) Lens
- (15) Microphone
- (16) Infrared motion-activated Sensor – detects motion up to 2-2.5m

2.2 Install process

- (1) Unscrew the sleeve out completely first from the outdoor part, Remove the backing of double-sided adhesive (pic.2.1);
- (2) Pass the Outdoor slave through the peephole, and stick it to the outside of the door like shown in pic.2.2;

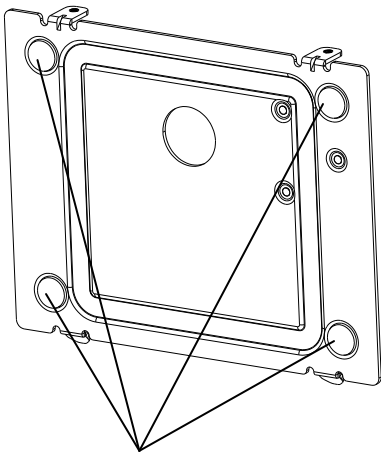


pic.2.1



pic.2.2

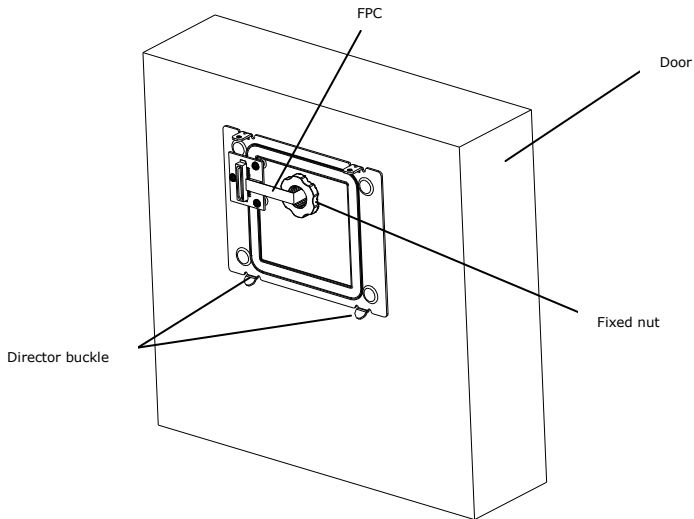
(3) Removing the double-sided adhesive on the mounting bracket (pic.2.3);



Double-sided adhesive

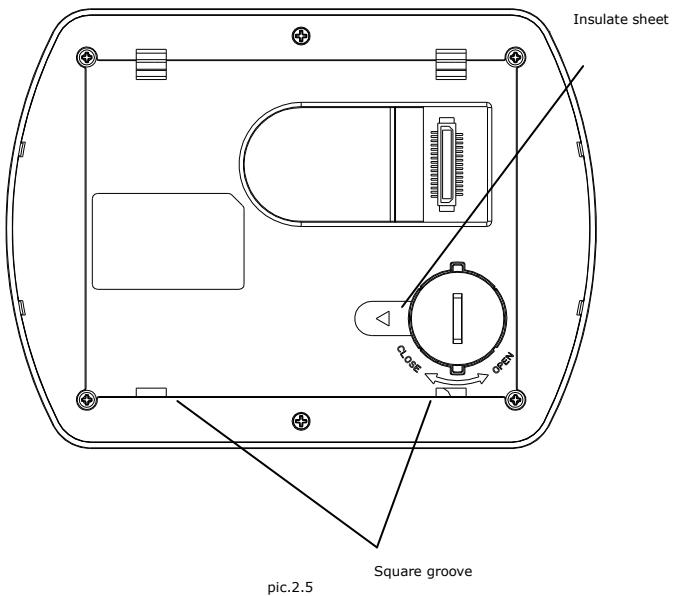
pic.2.3

- (4) Follow pic.2.4, to stick the mounting bracket on the door, then install the Screw for fixing, and buckle the male connector of the FPC with the female Connector on the mounting bracket;

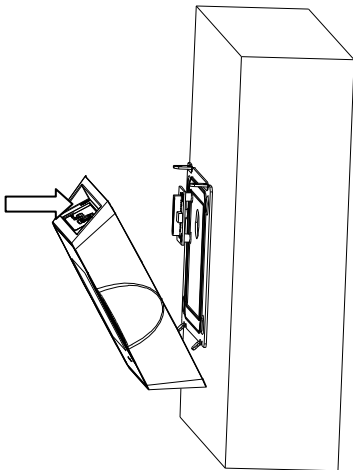


pic.2.4

(5) Remove the insulate sheet on the clock battery (pic.2.5);

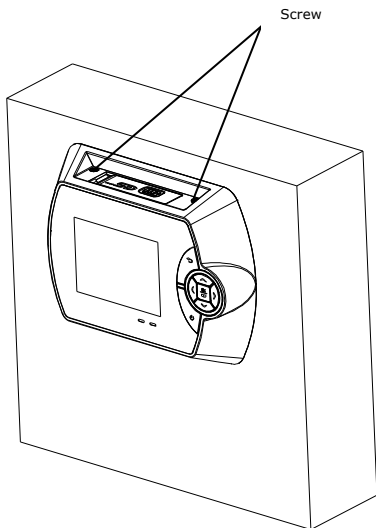


(6) Follow pic.2.6 install the indoor host to the mounting bracket;



pic.2.6

(7) Lock the screws with the Philips screwdriver (pic.2.7);



pic.2.7

(8) Install finished.

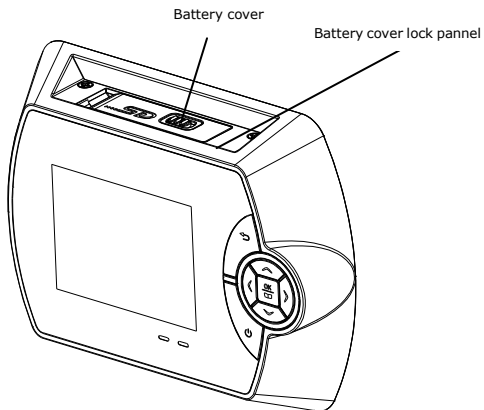
2.3 Battery install and remove

2.3.1 Battery installation method

2.3.1.1 Push the battery cover lock to the left, it will open automatically (pic.3.1);

2.3.1.2 Install the battery like in Pic.3.2: push the battery Buckle outward, then install the battery in;

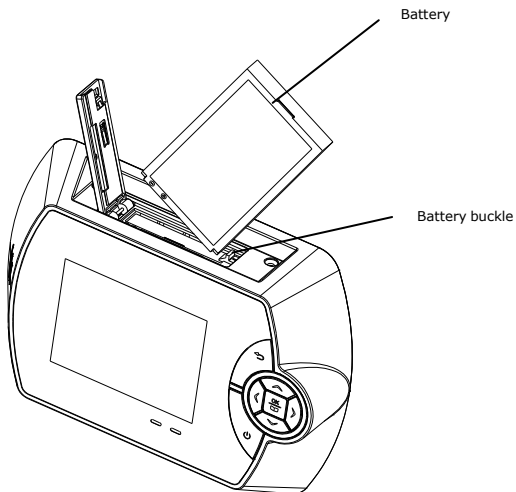
2.3.1.3 Replace the battery cover, push the battery cover lock to the right, then buckle up.



pic.3.1

2.3.2 Battery remove method

Opposite to the battery install steps.



pic.3.2

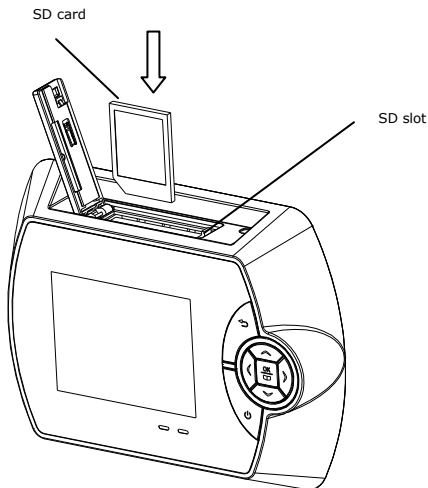
2.4 SD memory card insertion and remove

2.4.1 SD memory card insertion

2.4.1.1 Follow step 2.3.1.1 to open the battery cover;

2.4.1.2 Insert the SD memory card to the SD slot like pic.4.1;

2.4.1.3 Replace the battery cover, push the battery cover lock to the right, then buckle up.



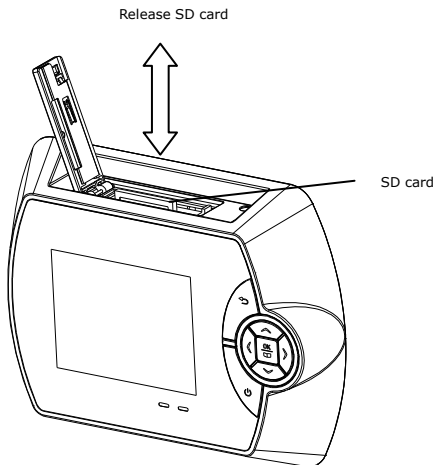
pic.4.1

2.4.2 SD memory card remove

2.4.2.1 Follow step 3.1.1 to open the battery cover;

2.4.2.2 Press and release SD card (pic.4.2);

2.4.2.3 Replace the battery cover, push the battery cover lock to the right, then buckle up.



pic.4.2

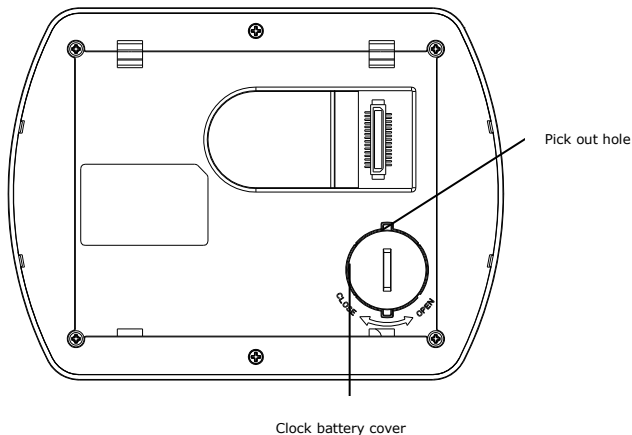
2.5 Clock battery replacement

2.5.1 Clock battery remove

2.5.1.1 Remove the two screws on the indoor host, then take down the indoor host;

2.5.1.2 Remove the cover on the back of the clock battery by rotating tabs into unlocked position. (pic.5.1);

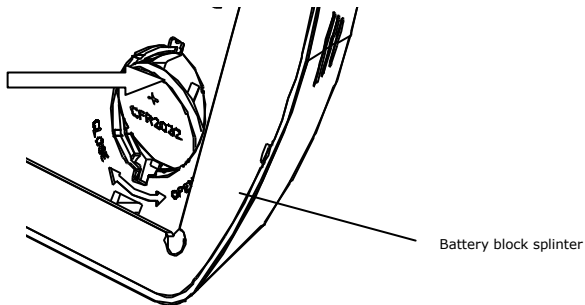
2.5.1.3 Take out the clock battery by using a sharp object (pic.5.1).



pic.5.1

2.5.2 Clock battery installation

2.5.2.1 Insert the clock battery under the splinter like pic.5.3, then press the top into the battery container;




pic.5.2

2.5.2.2 Install the clock battery cover by rotating it clockwise;

2.5.2.3 Install the indoor host.

Note: Please initialize the unit and adjust the time after the clock battery is removed for a long time or it be replaced

2.6 Charge

When the battery has low capacity, the capacity icon  will indicate empty, please charge the battery.

2.6.1 Connect the power adaptor to the power supply;

2.6.2 Insert the DC plug to charging port of the host, the indicator

Light turn on (red);

2.6.3 On the LCD screen, you can see the battery icon is rolling, this is the charging indicator;

2.6.4 The battery icon stops rolling and shows full power when fully charged.

Press power on key to turn on the device (⏻)(5 seconds).

Welcome

Mode selection: Live mode (LIVE) / Record mode (RECORD), through the mode switch in the lower side for selection.

Notes: Under live mode (LIVE), shut down automatically when non-operation for 40 seconds.

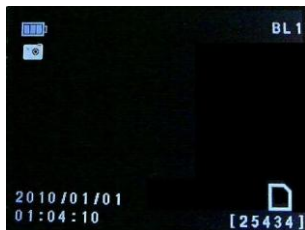
Under record mode (RECORD), automatically store data and standby after auto-recording 15 seconds, and start again if have trigger.

3.1 Live mode (LIVE)

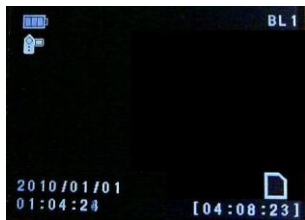
Press $\triangle \nabla$ to zoom in/out image with 3X;

Press \blacktriangleleft to switch btw camera mode and recording mode;

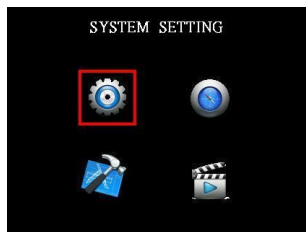
■ Camera mode: Press OK to take photos



■ Recording mode: Press OK to start/stop



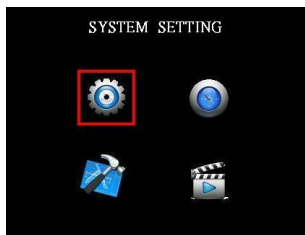
Shortly press OK to enter main menu.



Press $\Delta \nabla \triangleright \triangleleft$ to select setting, Press OK to enter setting ,press \hookrightarrow once to return to previous menu, shortly press \hookleftarrow to return to monitoring interface.

- ◆ System setting
- ◆ Time setting
- ◆ Parameter setting
- ◆ Playback setting

3.1.1 System setting

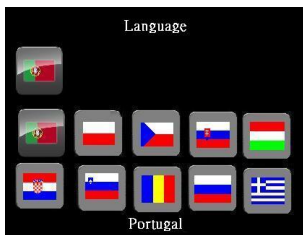
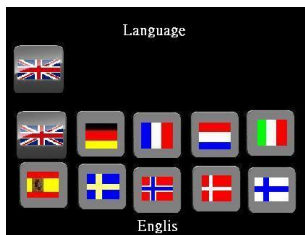


Press Δ ∇ \triangleleft \triangleright to switch setting option, and press OK enter to the setting catalog.

3.1.1.1 Language setting

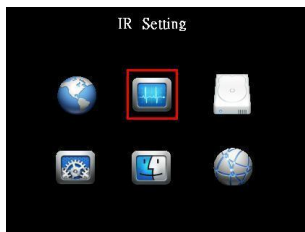


Press \triangleleft \triangleright to select language, then press OK to confirm.

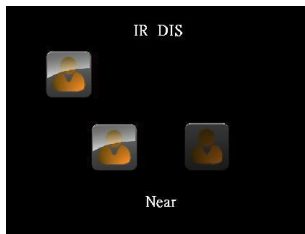


3.1.1.2 Infrared setting

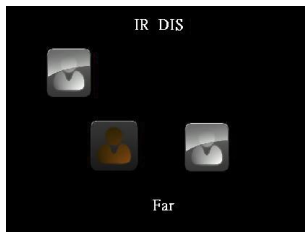
Press ◀▶ to select close/far, then press OK to confirm.



Near: infrared distance is around 0-1.5M



Far: infrared distance is around 0-2.5M



3.1.1.3 Format

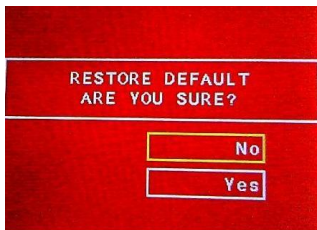
Press ◀▶ to select YES/NO, then press OK to confirm your selection.



Note: Format will delete what saved in the SD memory card, please use with caution.

3.1.1.4 Default setting

Press ◀▶ to select YES/NO, then press OK to confirm whether to restore factory settings.



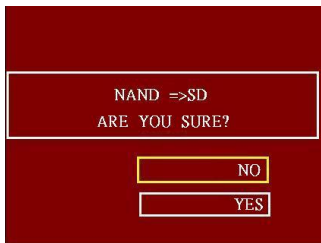
3.1.1.5 Version No.

Show software Version No.

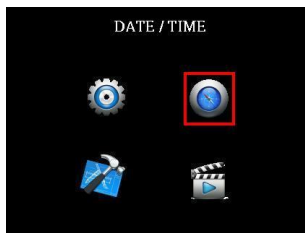


3. 1. 1. 6 NAND Remove to SD Card

Press \triangle ∇ to select Yes or No, then press OK key to confirm if removing the built-in memory to SD card.



3.1.2 Time setting



Press OK to select or switch setting position, then press Δ ∇ to adjust time.



3.1.3 Parameter setting

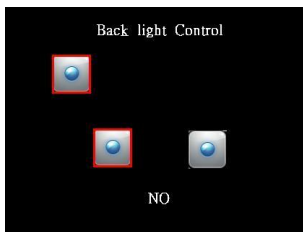
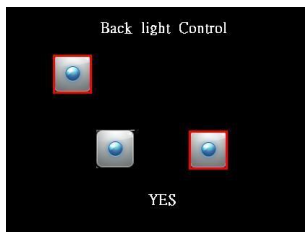


Press ◀▶ to switch setting option, then press OK enter to the setting catalog.

Note: Settings updates take effect when you reboot the intellicorder.

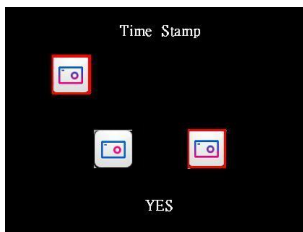
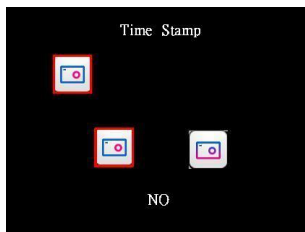
3.1.3.1 Back light

Press ◀▶ to select back light or NO (if need to open screen under record mode), then press OK to confirm your selection (default: NO).



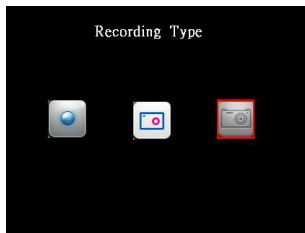
3.1.3.2 Timestamp

Press ◀▶ to select YES/NO (if show time when camera/record), then press OK to confirm your selection (default: YES).



3.1.3.3 Record setting

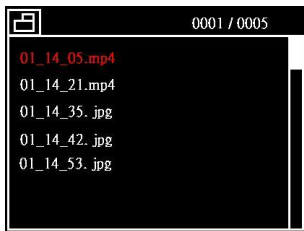
Press ◀▶ to select camera/record mode, then press OK to confirm your selection (default: record mode).



3.1.4 Playback setting



Press OK to enter the sub-content, then press △▽ to make your desired selection and press OK to enter root-content, lastly press △▽ to select play back menu and press OK to play back.



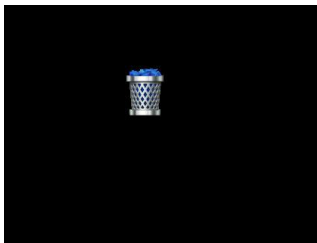
Playing back photos, press ◀▶ to review your photos;

Playing back recording, press OK to select play/pause;

Press ◀/▶ to select backward/forward;

Volume + / Volume -, Press ▲/▼;

When the storage space is full, the below reminder will come to the interface.



Delete the directory or file: Select the file or directory you need to delete, press ◀

button for long time, then choose yes , then press OK button to confirm the deletion.



Deleting contents or files, select the one you want to delete, shortly press ◀, then press ◀ ▶ to select YES/NO, and press OK to delete.

3.2 Record mode (RECORD)

When motion is detected, the record indicating light turns green, the recording time is 15 seconds. **Note: When switch to "RECORD" MODE, the infrared motion detector will work, the live display screen turn off.**

HML2345X is equipped with internal memory for immediate recording, after recorded 15 seconds, the recording will be finished and stored automatically, and the green light will turn out. **Note: If the recording is stopped without 15 seconds, the recorded video couldn't be read when playback. The interval time needed to reactivate the motion sensor is about 15 seconds.**

When recording, press power key  to turn on/off the LCD display.

Welcome

BYE BYE

Infrared Caution:

1. Susceptible to radio frequency radiation interference, to be away from sources of interference .
2. Away from the air-conditioning, refrigerator, stove and other places sensitive to temperature changes.
3. Motion sensor may not be activated in the following situations:
 - When the action is very slow or very fast;
 - When the moving object is very small;
 - When the action only in a corner of the viewing area.

1. Q: How long will the image turn out after the HML2345X is powered on?

A: Around 5 seconds, because the system needs time to initial.

2. Q: When the HML2345X is working, how long will it enter into standby mode?

A: after no operation for 40 seconds, it will enter to standby mode and save power.

3. Q: How long will the full-charged battery last for?

A: It can last for around one to two months (estimate 5times/day, 40 seconds/time).

4. Q: Why the image is fuzzy?

A: May display or camera protective film does not tear up, please tear away the protective film.

5. Q: What thickness of the door will the HML2345X fit?

A: The ranges are 35mm ~ 55mm. 55~85mm, 85~105mm.

6. Q: Why does the image looks fuzzy not clear?

A: Outdoor unit is not properly installed, the camera should be in the above, infrared detection head in below, and then fine-tuning the outdoor unit in order to image display properly.

7. Q: How many pictures and how long of video can the memory store?

A: It own 256M memory, except for system memory, about 240M left available, so can store pictures about 1113pcs, and 11 minutes of video.

Please consult below chart for details:

Capacity (GB)	Number of pictures (pcs)	Video time(minutes)
1	6625	65
2	13250	130
4	26500	260
8	53000	520
16	106000	1040
32	212000	2080

Note: Capacity for pictures=capacity/size of each picture, 1GB=1000MB=1000*1000KB.

Video time=capacity/video size of each minute (15s is 3.2MB, 60s is 3.2*4=12.8MB).

Chapter V Fault, solution and Precautions

1. Please do not use sharp objects to graze the LCD of indoor host to prevent scratch on the LCD.
2. When magnifying the image, the noise will become higher, this is normal.
3. Please follow above install process.
4. After the machine is installed, to avoid damage of the connecting line, please do not rotate both of the indoor and outdoor hosts. If the connecting line break caused by above reason, then the product will not be in the warranty.
5. Turn off the display each time you finished a conversation, this can help to save power of the battery.
6. Discard your battery properly to avoid pollution the environment.
7. To prevent misconduct, please use the product:
 - Keep out of direct sunlight
 - Keep out of be heated, such as heaters, heat sinks and heat lamp.
 - Keep out of strong dry, such as central heating vents.